

WHAT IS CLAIMED IS:

1. A process for preparing 1,2-benzisoxazole-3-acetic acid, comprising the step of reacting 4-hydroxy-coumarin with hydroxyl-amine in the presence of a base.
- 5
2. The process according to claim 1, wherein the base is selected from the group consisting of carbonate salts, aqueous ammonia, and organic bases.
- 10
3. The process according to claim 2, wherein the carbonate salt is selected from the group consisting of sodium carbonate and potassium carbonate.
4. The process according to claim 2, wherein the organic base is an amine.
- 15
5. The process according to claim 4, wherein the amine is selected from the group consisting of triethyl-amine, tributyl-amine, and diethyl-amine.
6. The process according to claim 1, wherein the process is performed in the presence of an alcohol.
- 20
7. The process according to claim 6, wherein the alcohol is a lower alcohol.
8. The process according to claim 7, wherein the lower alcohol is selected from the group consisting of ethanol, methanol, n-butanol, iso-propyl-alcohol, iso-butanol, amyl-alcohol, and iso-amyl alcohol.
- 25
9. The process according to claim 6, wherein the process is performed at a temperature between room temperature and boiling point of the alcohol.
10. The process according to claim 9, wherein the process is performed at a temperature between about 40°C and about 60°C.
- 30
11. A process of preparing a salt of benzisoxazole methane sulfonic acid comprising the steps of: 1) sulfonating 1,2-benzisoxazole-3-acetic acid using chlorosulfonic acid and dioxane in a solvent mixture comprising methylene

SEARCHED - INDEXED -

chloride and sodium hydroxide; and 2) isolating the salt of benzisoxazole methane sulfonic acid.

12. The process according to claim 11, wherein the isolating step is performed by 5 evaporating the solvent mixture after the sulfonating step.

13. The process according to claim 11, wherein the isolating step is performed by 10 salting-out with sodium chloride.

14. The process according to 13, further comprising the step of cooling after the 15 step of salting-out.

15. The process according to claim 11, wherein the salt of benzisoxazole methane sulfonic acid is selected from the group consisting of sodium, calcium, and barium.

16. The process according to claim 11, wherein the preparation of benzisoxazole methane sulfonic acid is performed at a temperature of about 40°C and for a 20 time of about 4 hours.

17. The process according to claim 11, wherein the preparation of benzisoxazole methane sulfonic acid is performed at a temperature of about 40°C and a time 25 of about 5 hours.

18. The process according to claim 11, wherein the preparation of benzisoxazole methane sulfonic acid is performed at a temperature of about 40°C and a time of about 3 hours.

19. The process according to claim 11, wherein the preparation of benzisoxazole methane sulfonic acid is performed at a temperature of about 55°C and a time 30 of about 3.5 hours.

20. The process according to claim 1, wherein the 1,2-benzisoxazole-3-acetic acid is thereafter converted to 1,2-benzisoxazole-3-methane sulfonamide.

21. The process according to claim 11, wherein the benzisoxazole methane sulfonic acid is thereafter converted to 1,2-benzisoxazole-3-methane sulfonamide.

5

22. 1,2-benzisoxazole-3-methane sulfonamide prepared in accordance with the process of claim 1.

10 23. 1,2-benzisoxazole-3-methane sulfonamide prepared in accordance with the process of claim 11.

SEARCHED INDEXED  
SERIALIZED FILED